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Atty. Dkt. No. 043034-0180



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takashi TAKENAKA
Title: LOGIC VERIFICATION AND LOGIC CONE EXTRACTION
TECHNIQUE
Appl. No.: 10/612,193
Filing Date: 07/03/2003
Examiner: Saif A. Alhija
Art Unit: 2128
Confirmation Number: 4129

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

The documents listed on the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding Japanese application. A partial English translation of the Japanese Office Action of March 4, 2008 follows:

- Claims: 1 through 18
- Cited literature: 1 and 2
- Remarks

Regarding Claims 1 through 4

In Cited Literature 1, it is written that, since a programming language for software is not applicable as-is to hardware design, and the language has thus been extended, even based on the same hardware description, it is possible that interpretations of behavior will differ for executable format [code] generated by compiling (corresponding to “object code” in the present application) and RTL descriptions generated by behavioral synthesis, so it is necessary to determine that the executable format [code] and the RTL descriptions are equivalent (see (0005) and Figure 19).

Moreover, in Cited Literature 2, regarding a method for determining the equivalence of behavior descriptions (corresponding to “behavior level descriptions”) and scheduled RTLs, the generation of functions (corresponding to “logic cone” in the present application) expressing changes in each signal using symbolic simulation is described.

List of Cited Literature

1. Japanese Unexamined Patent Application Publication 2001-222565
2. Japanese Unexamined Patent Application Publication 2001-142937

Record of Prior Art Literature Search Results

- Fields searched IPC G06F 17/50
- Prior art literature Japanese Unexamined Patent Application Publication 2001-14371

This Record of Prior Art Literature Search Results does not constitute a reason for rejection.

Document B1 is a U.S. counterpart of Document B6.

Document B2 is a U.S. counterpart of Document B5.

Document B3 is a U.S. counterpart of Document B4.

Applicant's statements regarding the Japanese office action are based on a translation that applicant's representative obtained. These statements should in no way be considered as an agreement by applicants, with or an admission of, what is asserted in the Japanese office action.

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding Japanese application. An English translation of the foreign-language documents is not readily available; however, the absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP §609). English language abstracts are attached.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

STATEMENT

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The undersigned hereby states in accordance with 37 CFR §1.704(d) that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date: April 3, 2008

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